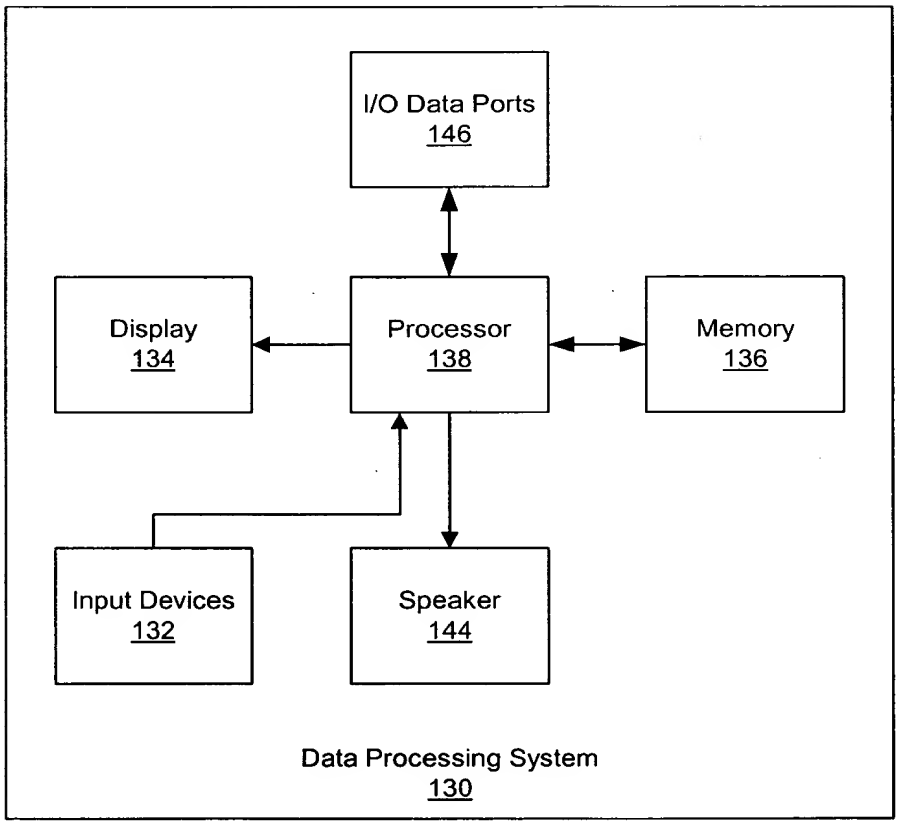
I/O Data Ports
146
Display
134
Processor
138
Memory
136
Input Devices
132
Speaker
144
Data Processing System
130

Figure 1

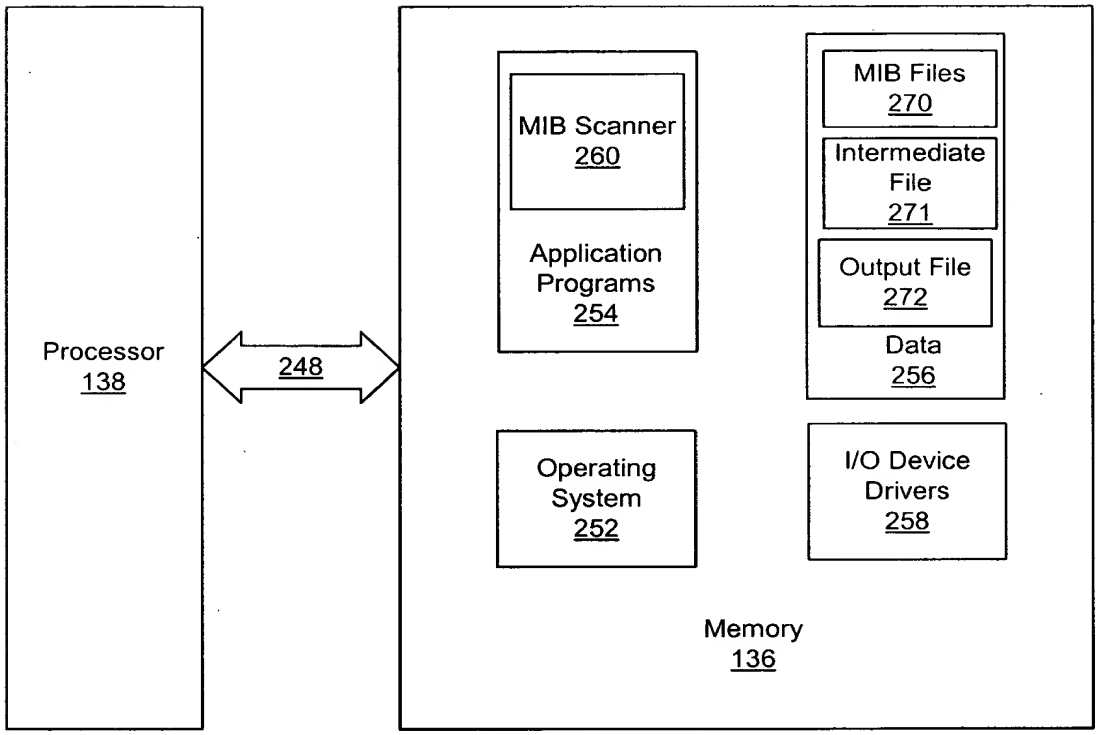
Processor
138
248
MIB Scanner
260
Application
Programs
254
Operating
System
252
MIB Files
270
Intermediate
File
271
Output File
272
Data
256
I/O Device
Drivers
258
Memory
136

Figure 2

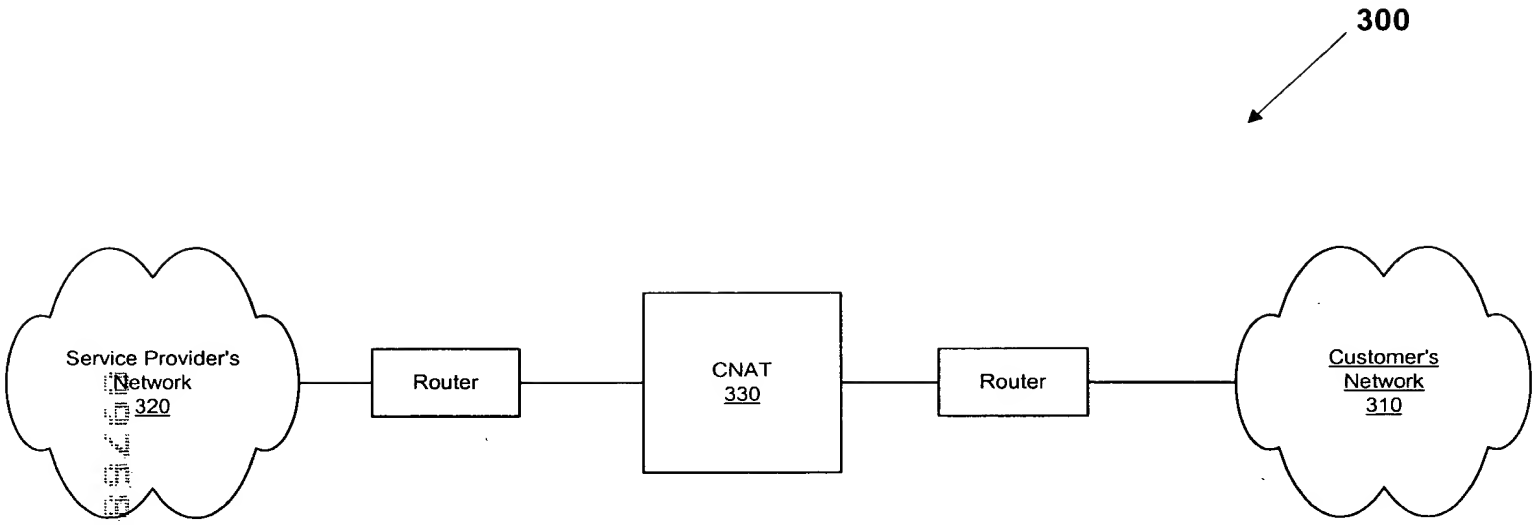
300
Service Provider's Network 320
Router
CNAT 330
Router
Customer's Network 310

Figure 3

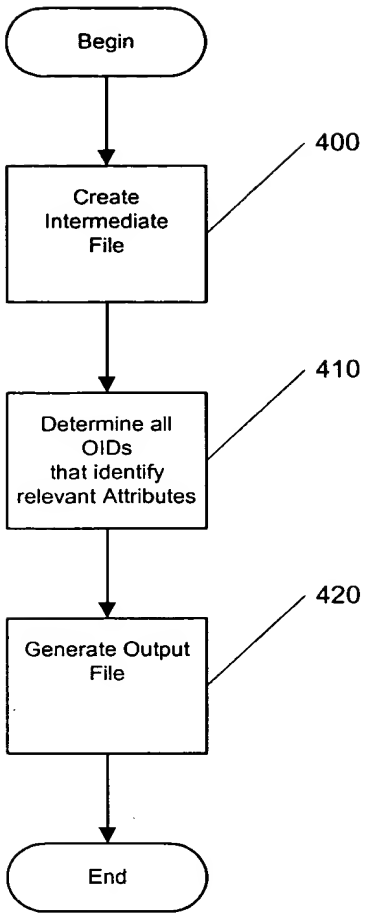
Begin
Create Intermediate File
400
Determine all OIDs that identify relevant Attributes
410
Generate Output File
420
End

Figure 4

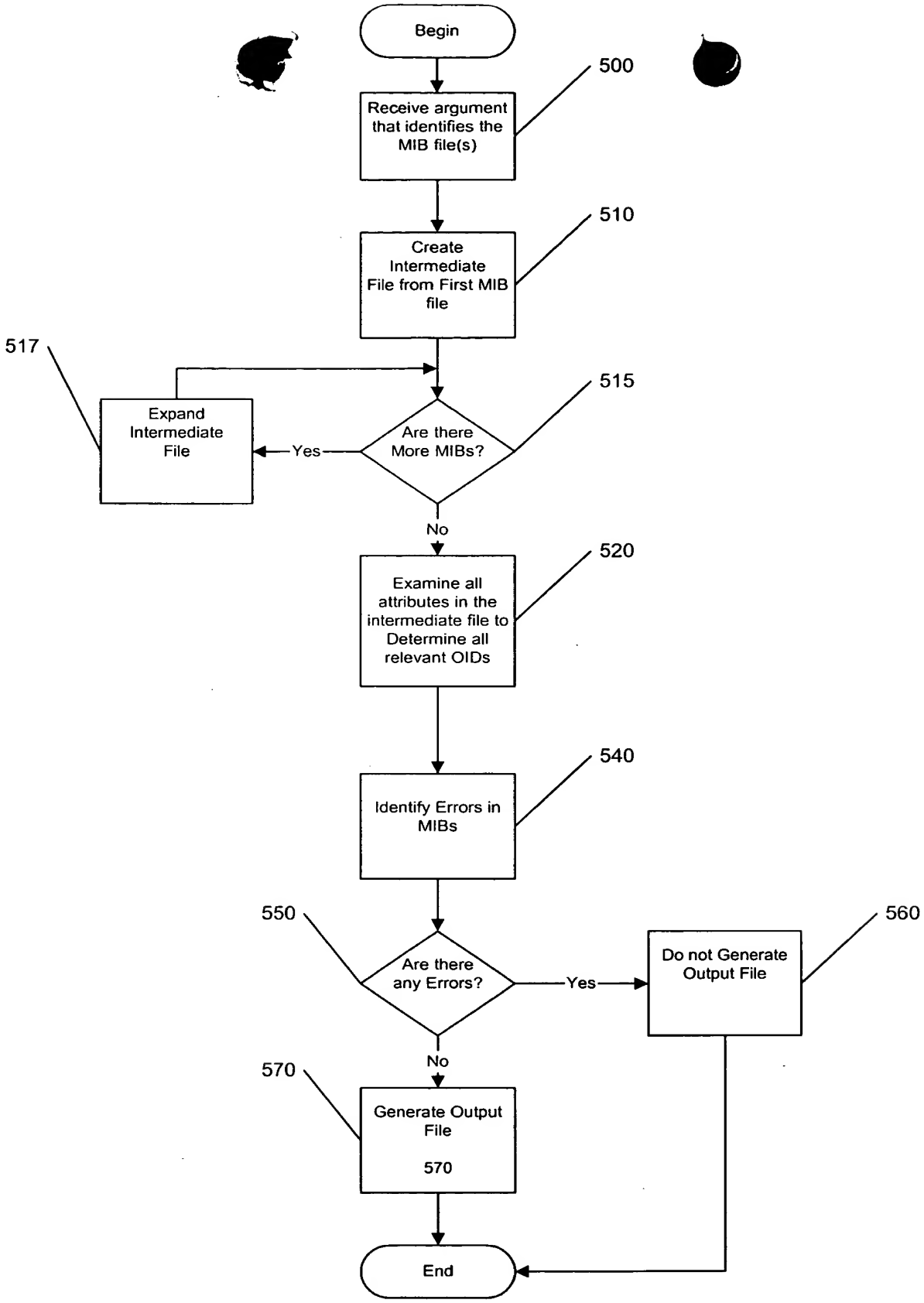
Begin
500
Receive argument that identifies the MIB file(s)
510
Create Intermediate File from First MIB file
517
Expand Intermediate File
Yes
515
Are there More MIBs?
No
520
Examine all attributes in the intermediate file to Determine all relevant OIDs
540
Identify Errors in MIBs
550
Are there any Errors?
Yes
560
Do not Generate Output File
No
570
Generate Output File
570
End

Figure 5

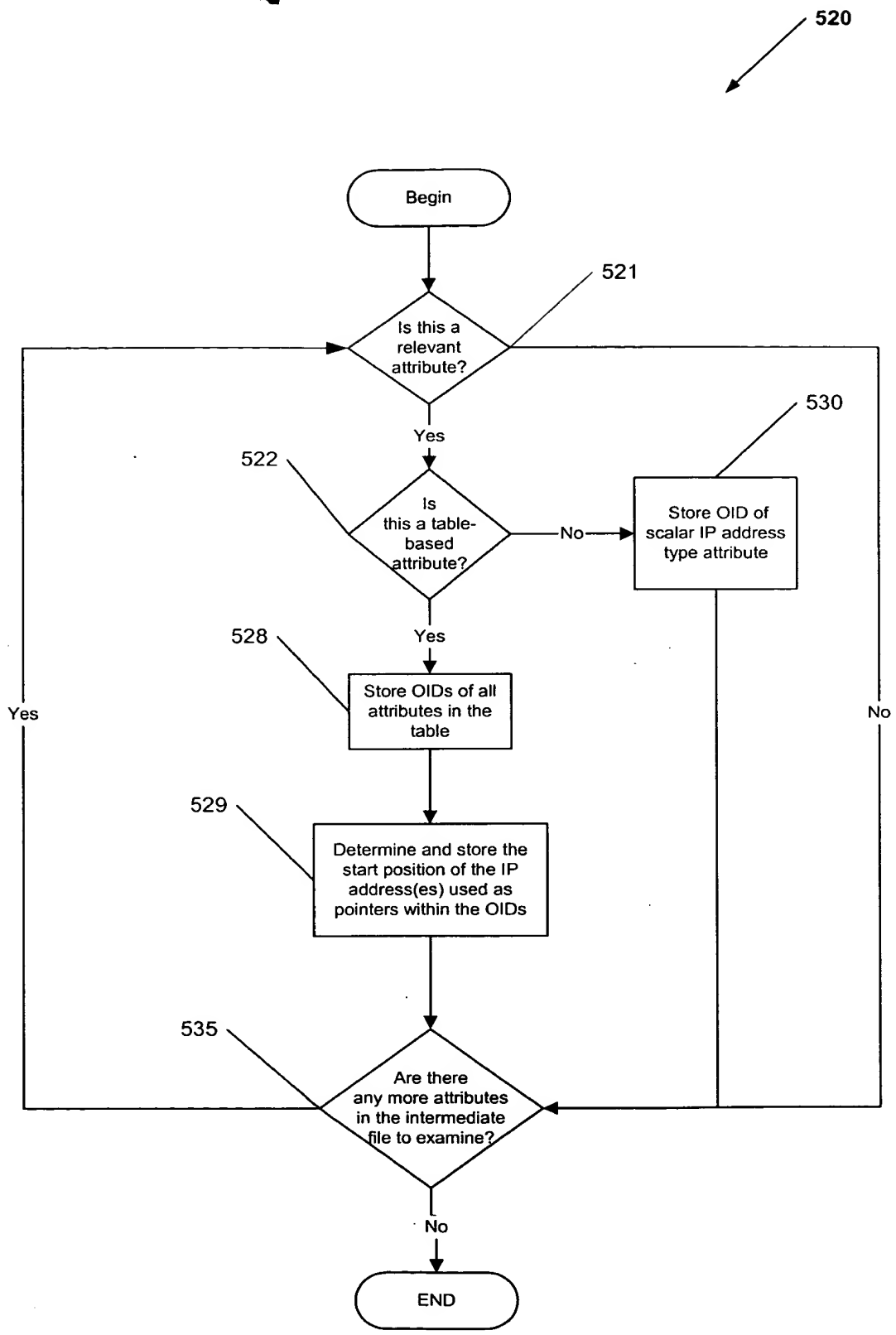
520
Begin
521
Is this a relevant attribute?
Yes
522
Is this a table-based attribute?
No
530
Store OID of scalar IP address type attribute
Yes
528
Store OIDs of all attributes in the table
529
Determine and store the start position of the IP address(es) used as pointers within the OIDs
535
Are there any more attributes in the intermediate file to examine?
Yes
No
No
END

Figure 6